

**I. AMENDMENTS**

**A. In the claims**

Please amend claims 1 and 5 to read as follows:

B' 1. (Twice amended) A method of obtaining a composition substantially enriched in a specific progenitor cell type comprising:  
contacting a sample of cells with at least one binding agent specific for a serpentine cell surface receptor indicative of a specific progenitor cell type or lineage such that the binding agent binds specifically to a progenitor cell or progenitor cells expressing the receptor in the sample; and  
separating the cell or cells bound by the binding agent from the sample, thereby obtaining a composition substantially enriched in a specific progenitor cell type.

B<sup>2</sup> 5. (Twice amended) The method of claim 4, wherein the antibody is a monoclonal antibody, a polyclonal antibody, or an antigen binding fragment of said antibody.

Please add the following new claims:

--58. The method of claim 1, wherein the specific progenitor cell type is a totipotential progenitor cell or a pluripotential cell.

59. The method of claim 1, wherein the specific progenitor cell type is a germ cell or a mesenchymal cell.

B<sup>3</sup> 60. The method of claim 1, wherein the specific progenitor cell is a liver, lung, colon, testis, ovary, uterus, prostate, thyroid, brain, heart or skin progenitor cell.

61. The method of claim 50, wherein the specific cell type is a specific progenitor cell type.

62. The method of claim 61, wherein the specific progenitor cell type is a totipotent progenitor cell or a pluripotent cell.

63. The method of claim 61, wherein the specific progenitor cell type is a germ cell or a mesenchymal cell.

64. The method of claim 61, wherein the specific progenitor cell is a liver, lung, colon, testis, ovary, uterus, prostate, thyroid, brain, heart or skin progenitor cell.

